AMENDMENT AND PRESENTATION OF CLAIMS

Please replace all prior claims in the present application with the following claims, in which claims 1-17 are currently amended.

1. (Currently Amended) ~~Message analyser for analysing~~ A message analyzer for analyzing messages which are transmitted via service access points ~~(8.1, 8.2, 8.3, 9.1, 9.2, 7.1, 7.2, 7.3)~~ from layers ~~(1, 2, 3, 4, 5)~~ of an Open Systems Interconnection (OSI) ~~OSI~~ reference model of an end system of a subscriber of a mobile telephone system, the message ~~analyser (10) comprising~~ analyzer comprising:

a storage device ~~(13)~~ for storing ~~messages,~~ messages; and

a selector ~~(14)~~ for reading in a sequence of temporally successive ~~messages~~ messages;

~~and~~ a display device ~~(15)~~ for displaying ~~at least one~~ a first region ~~(16)~~ and ~~one~~ a second region ~~(17)~~, wherein

~~a~~ the sequence of messages~~, which~~ is read in by means of the selector ~~(14)~~ from the storage device ~~(13), being able to be~~ and displayed listed in the first region ~~(16)~~, wherein

~~**characterised in that**~~

the selector ~~(14)~~ determines, for at least one service access point ~~(7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2)~~, a first characteristic feature of the messages which are transmitted via ~~this~~ the one service access point ~~(7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2)~~ and ~~the~~ a course ~~(26)~~ of ~~this~~ the first characteristic feature ~~can be~~ is displayed on the display device ~~(15)~~ in the second region ~~(17)~~.

2. (Currently Amended) ~~Message analyser~~ A message analyzer according to claim 1, wherein:

~~**characterised in that**~~

the selector ~~(14)~~ determines a second characteristic feature for messages which are transmitted via a plurality of service access points ~~(7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2)~~ of a layer of the OSI reference model, ~~and~~ the a course ~~(26)~~ of ~~this~~ the second characteristic feature ~~can be~~ is displayed on the display device ~~(15)~~ in the second region ~~(17) of the display device (15)~~.

3. (Currently Amended) ~~Message analyser~~ A message analyzer according to claim 1 ~~or 2~~, wherein:

~~**characterised in that**~~

the sequence of messages ~~which is~~ read in by ~~means of~~ the selector ~~(14)~~ is dependent upon a selection with which a specific point ~~(32)~~ of the course ~~(26)~~ of the first characteristic feature ~~can be selected~~ is selectable in the second region ~~(17)~~.

4. (Currently Amended) ~~Message analyser~~ A message analyzer according to claim 3, wherein:

~~**characterised in that**~~

at least one specific point ~~can be~~ is marked by a marking ~~(33.1, 33.2, 33.3, 33.4)~~ in the course ~~(26)~~ displayed in the second region ~~(17)~~ and, upon selection of the marking ~~(33.1, 33.2, 33.3, 33.4)~~, a sequence of messages which corresponds to the specific point is read in from the storage device ~~(13)~~.

5. (Currently Amended) ~~Message analyser~~ A message analyzer according to claim 3 ~~or 4~~, wherein:

~~**characterised in that**~~

~~on the basis of~~ based on the additional items of information stored during storage of messages in the storage device ~~(13)~~, markings ~~(34.1, 34.2) can be~~ are produced automatically by ~~means of~~ the selector ~~(14)~~.

6. (Currently Amended) ~~Message analyser~~ A message analyzer according to ~~one of the~~

~~claims~~ claim 1 ~~to 5~~, wherein:

~~**characterised in that**~~

the course ~~(26)~~ of the first characteristic feature ~~can be~~ is displayed in the second region ~~(17)~~ in a coordinate system, wherein the X axis ~~(28)~~ of the coordinate system ~~which~~ is a time axis.

7. (Currently Amended) ~~Message analyser~~ A message analyzer according to claim 6, wherein:

~~**characterised in that**~~

~~the~~ a third region of the course ~~(26)~~ displayed in the second region~~,~~ which corresponds respectively to the sequence of messages currently displayed in the first region ~~(16)~~, is highlighted.

8. (Currently Amended) ~~Message analyser~~ A message analyzer according to ~~one of the claims~~ claim 1 ~~to 5~~, wherein:

~~**characterised in that**~~

the course of the first characteristic feature ~~can be~~ is displayed in the second region ~~(17)~~ in a coordinate system, wherein the X axis ~~(28)~~ of the coordinate system ~~which~~ is subdivided into intervals each having ~~with~~ an identical number of messages.

9. (Currently Amended) ~~Message analyser~~ A message analyzer according to ~~one of the claims~~ claim 1 ~~to 8~~, wherein:

~~**characterised in that**~~

the first characteristic feature is a number of transmitted messages per interval of time ~~and~~/or a data load of a layer ~~(1, 2, 3, 4, 5)~~ of the OSI reference model ~~and~~/or a number of messages transmitted repeatedly.

10. (Currently Amended) ~~Method~~ A method using a computer or a digital signal processor for analyzing ~~analysing~~ messages which are transmitted via service access points ~~(7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2)~~ from layers ~~(1, 2, 3, 4, 5)~~ of an OSI reference model of an end system of a subscriber of a mobile telephone system and which are stored in a storage device ~~(13)~~, ~~with~~ comprising the ~~following method~~ steps ~~using a computer or a digital signal processor~~ of:

[[-]] reading in a sequence of messages by ~~means of~~ a selector; ~~(14)~~ and

[[-]] ~~display of~~ displaying the sequence of messages, which is read in by ~~means of~~ the selector ~~(14)~~, in tabular form in a first region ~~(16)~~ of a display device ~~(15)~~, wherein

~~**characterised in that**~~

a first characteristic feature of messages which are transmitted via at least one service access point ~~(7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2)~~ is determined by ~~means of~~ the selector ~~(14)~~

and a course of the first characteristic feature is displayed in a second region ~~(17)~~ of ~~a~~ the display device ~~(15)~~.

11. (Currently Amended) ~~Method~~ A method according to claim 10, further comprising:

~~**characterised in that**~~

determining, by the selector, a second characteristic feature of messages which are transmitted via a plurality of service access points ~~(7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2)~~ of a layer ~~(1, 2, 3, 4, 5)~~ of the ~~an~~ OSI reference model ~~is determined by means of the selector (14)~~.

12. (Currently Amended) ~~Method~~ A method according to claim 10 ~~or 11~~, further comprising:

~~**characterised in that,**~~

selecting, in the second region ~~(17)~~, a specific point ~~(32)~~ of the course ~~(26)~~ of the first characteristic feature; ~~is selected~~ and

reading in, by the selector, ~~that~~ a sequence of messages dependent upon the specific point ~~(32) is read in by the selector (14)~~.

13. (Currently Amended) ~~Method~~ A method according to ~~one of the claims~~ claim 10 ~~to 12~~, wherein:

~~**characterised in that,**~~

in the second region ~~(17)~~, at least one specific point of the course ~~(26)~~ of the first characteristic feature is marked by ~~means of~~ at least one marking, ~~(33.1, 33.2, 33.3, 33.4)~~ and

upon selection of the marking ~~(33.1, 33.2, 33.3, 33.4)~~, dependent upon the specific point marked by the marking ~~(33.1, 33.2, 33.3, 33.4)~~, a corresponding sequence of messages is read in by ~~means of~~ the selector ~~(14)~~ from the storage device ~~(13)~~.

14. (Currently Amended) ~~Method~~ A method according to claim 13, wherein:

~~**characterised in that,**~~

during storage of the messages in the storage device ~~(13)~~, additional items of information are stored, and

dependent upon ~~these~~ the additional items of information, markings ~~(34.1, 34.2)~~ are produced automatically in the second region ~~(17)~~ by ~~means of~~ the selector ~~(14)~~.

15. (Currently Amended) ~~Method~~ A method according to ~~one of the claims~~ claim 10 ~~to 14~~, wherein:

~~**characterised in that**~~

at least one characteristic feature is displayed in the second region ~~(17)~~ in a coordinate system, wherein the X axis of the coordinate system ~~(28) of which~~ is a time axis.

16. (Currently Amended) ~~Method~~ A method according to claim 15, wherein:

~~**characterised in that**~~

~~the~~ a third region which corresponds respectively to the sequence of messages displayed in tabular form in the first region ~~(16)~~ is displayed highlighted in the second region ~~(17)~~.

17. (Currently Amended) ~~Method~~ A method according to ~~one of the claims~~ claim 10 ~~to 14~~, wherein:

~~**characterised in that**~~

the ~~at least one~~ first characteristic feature is displayed in the second region ~~(17)~~ in a coordinate system, wherein the X axis ~~(18)~~ of the coordinate system ~~which~~ is sub-divided into intervals ~~with~~ each having an identical number of messages.